

## Cyclic carbonates and the reactions with amines

**Description of Technology:** Six-membered cyclic carbonates substituted with keto or carbohydrocarbyloxy groups in the 5 position are described. These cyclic carbonates are especially reactive with primary and cyclic secondary amines to form novel hydroxyurethanes which are useful as monomers and reactive diluents.

## **Patent Listing:**

1. **US Patent No. 6,020,499**, Issued February 1, 2000, "Cyclic carbonates and their reactions with amines"

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**Market Potential**: This invention concerns a process for the production of hydroxyurethanes by the reaction of a cyclic carbonate with a primary or cyclic secondary amine, wherein the improvement comprises, using as the cyclic carbonate a compound of the formula ##STR1## wherein: R.sup.1, R.sup.2, R.sup.3, R.sup.4 and R.sup.5 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl;

## **Benefits:**

• Useful as monomers and reactive diluents

## **Applications:**

• Form novel hydorxyurethanes